

Notice of Allowability

Application No.

09/470,054

Examiner

Justin T. Darrow

Applicant(s)

SRIVASTAVA ET AL.

Art Unit

2132

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to an amendment filed 05/02/2005.
2. ☒ The allowed claim(s) is/are 1-7, 11 and 13-31.
3. ☒ The drawings filed on 22 December 1999 are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date _____
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____

DETAILED ACTION

1. Claims 1-25 have been presented for examination. Claims 1-7, 11, and 13 have been amended, claims 8-10 and 12 have been cancelled, and new claims 14-25 have been added in an amendment filed 03/31/2004. Claims 1-7, 11, and 13-23 have been amended and new claims 26-31 have been added in an amendment filed 05/02/2005. Claims 1-7, 11, and 13-31 have been examined.

Information Disclosure Statement

2. The information disclosure statements (IDSes) filed on 05/02/2005, 03/23/2005, 11/02/2004, and 04/19/2004 are in compliance with the provisions of 37 CFR 1.97. Accordingly, the information disclosure statements have been considered by the examiner.

Response to Arguments

3. Applicant's arguments, see Remarks, page 19, line 17- page 22, line 4, Paper No. REM(05/05/2005), filed 05/02/2005, with respect to the rejections of claims 1-7, 11, and 13-31, under 35 U.S.C. 102(a) as being anticipated by Sun Microsystems, Inc. (Waldvogel et al.), European Patent Application Publication No. EP 0 952 718 A2, have been fully considered and are persuasive. Therefore, the rejection has been withdrawn.

Allowable Subject Matter

4. Claims 1-7, 11, and 13-31 are allowed.
5. The following is an examiner's statement of reasons for allowance:

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Claims 1-6; claims 7 and 19-23; claims 13-18; and claims 26-31 are drawn to a method, communication system, computer-readable medium, and apparatus for communicating a session key from a first multicast proxy service node of a secure multicast group to a plurality of other multicast proxy service nodes of the secure multicast group in a communication network, respectively. The closest prior art, Sun Microsystems, Inc. (Waldvogel et al.), European Patent Application Publication No. EP 0 952 718 A2, discloses a similar method. However, this reference neither teaches nor suggests receiving a new group session key for the secure multicast group from a local multicast proxy service node that has received the original group session key through periodic replication of the first directory that is based on the LDAP directory standard. This distinct limitation explicitly recited in independent claims 1, 7, 13, and 26 renders claims 1-6; claims 7 and 19-23; claims 13-18; and claims 26-31, respectively, allowable.

Claims 11, 24, and 25 are drawn to a communication system for creating a secure multicast or broadcast group. The closest prior art, Sun Microsystems, Inc. (Waldvogel et al.), European Patent Application Publication No. EP 0 952 718 A2, discloses a similar communication system. However, this reference neither shows nor implies a directory that is based on the LDAP directory standard and that comprises a replication service agent (RSA) for replicating the attribute information of the one or more multicast proxy service nodes. This particular feature explicitly incorporated in independent claim 11 renders claims 11, 24, and 25 allowable.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue

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fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Telephone Inquiry Contacts

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Justin T. Darrow whose telephone number is (571) 272-3801, and whose electronic mail address is justin.darrow@uspto.gov. The examiner can normally be reached Monday-Friday from 8:30 AM to 5:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Gilberto Barrón, Jr., can be reached at (571) 272-3799.

The fax number for Formal or Official faxes to Technology Center 2100 is 571-273-8300. In order for a formal paper transmitted by fax to be entered into the application file, the paper and/or fax cover sheet must be signed by a representative for the applicant. Faxed formal papers for application file entry, such as amendments adding claims, extensions of time, and statutory disclaimers for which fees must be charged before entry, must be transmitted with an authorization to charge a deposit account to cover such fees. It is also recommended that the cover sheet for the fax of a formal paper have printed "**OFFICIAL FAX**". Formal papers transmitted by fax usually require three business days for entry into the application file and consideration by the examiner. Formal or Official faxes including amendments after final rejection (37 CFR 1.116) should be submitted to 571-273-8300 for expedited entry into the application file. It is further recommended that the cover sheet for the fax containing an

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amendment after final rejection have printed not only **"OFFICIAL FAX"** but also

"AMENDMENT AFTER FINAL".

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Any inquiry of a general nature or relating to the status of this application should be directed to the Group receptionist whose telephone number is (571) 272-2100.

August 10, 2005



**JUSTIN T. DARROW
PRIMARY EXAMINER
TECHNOLOGY CENTER 2100**